

DR N-PSDB; AAT79900.
 XX Inhibiting thrombosis with self-limiting antibody to coagulation
 PT factor - avoids uncontrolled bleeding by providing only partial
 PT inhibition
 XX
 XX Example 7; Page 128; 150pp; English.
 PS
 CC This polypeptide comprises a mouse-human chimeric antibody
 CC light chain in which the variable region is derived from mouse
 CC anti-human factor IX monoclonal antibody BC2 (see AAM24531) and
 CC human sequences from the immunoglobulin RF-TS3/CL framework.
 CC It can be expressed in transfected mammalian cells utilizing a
 CC CDNA construct (see AAT79900) obtained by PCR amplification (see
 CC AAT79897-98) of BC2 CDNA and insertion of the PCR product into
 CC F9H2HC 1-3 CDNA (see AAT77374). Claimed anti-factor IX chimeric
 CC antibodies are useful in the treatment of thrombosis.
 CC
 XX
 SQ Sequence 106 AA:
 Query Match 94.6%; Score 526; DB 18; Length 106;
 Best Local Similarity 95.3%; Pred. No. 1.8e-30;
 Matches 101; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
 OY 1 QIVLSGSPALISAPGKXTMTCRASSVYVHMWQOKPGSSPKWISATSLASGVPAR 60
 DB 1 QIVLSGSPALISAPGKXTMTCRASSVYVHMWQOKPGSSPKWISATSLASGVPAR 60
 OY 61 FSGSGGTSYSLTISRVEAEDATYCCQWSSNPPTFGGGMLEIR 106
 DB 61 FSGSGGTSYSLTISRVEAEDATYCCQWSSNPPTFGGGMLEIR 106
 RESULT 2
 ID AAM81002 standard; Protein; 106 AA.
 XX
 AC AAM81002;
 XX
 DT 09-APR-2002 (first entry)
 XX
 DE Mouse-human light chain polypeptide.
 XX
 KW Human; mouse; BC2; animal post-thromboembolic induced ischaemia;
 KW thrombolytic agent; anti-factor IX antibody; plasminogen activator;
 KW thromboembolic stroke; cerebroprotective; anticoagulant; Thrombolytic;
 KW vasotrophic; caridant; anti-respiratory syncytial virus;
 KW heavy chain variable region; light chain variable region.
 XX
 OS Chimeric - Mus sp.
 OS Chimeric - Homo sapiens.
 XX
 PM WO200187339-A1.
 XX
 PD 22-NOV-2001.
 XX
 PF 05-OCT-2000; 2000WO-US27438.
 XX
 PR 15-MAY-2000; 2000US-0571434.
 XX
 PA (SMIK) SMITHKLINE BEECHAM CORP.
 XX
 PI Barone FC, Blackburn MN, Feuerstein GZ, Toomey JR;
 XX
 DR WPI; 2002-082944/11.
 DR N-PSDB; ABR24005.
 XX
 PT Treating post-thromboembolic induced ischaemia in an animal by
 PT administering anti-factor IX antibody in combination with a plasminogen
 PT activator
 XX
 PS Example 7; Page 155-156; 163pp; English.

CC The invention relates to a method for treating an animal
 CC post-thromboembolic induced ischaemia or reducing a required dose of a
 CC thrombolytic agent in treatment of an animal post-thromboembolic induced
 CC ischaemia, comprising administering an anti-factor IX antibody or its
 CC fragment, optionally in combination with a plasminogen activator or
 CC thrombolytic agent. The method is useful for treating
 CC post-thromboembolic-induced ischaemia, for preventing thromboembolic
 CC stroke in an animal, and for reducing a required dose of a thrombolytic
 CC agent. Sequences AAM80972-AAM81004 represent antibodies and vector
 CC polypeptides used in the method of the invention.
 CC
 XX
 SQ Sequence 106 AA:
 Query Match 94.6%; Score 526; DB 23; Length 106;
 Best Local Similarity 95.3%; Pred. No. 1.8e-30;
 Matches 101; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
 OY 1 QIVLSGSPALISAPGKXTMTCRASSVYVHMWQOKPGSSPKWISATSLASGVPAR 60
 DB 1 QIVLSGSPALISAPGKXTMTCRASSVYVHMWQOKPGSSPKWISATSLASGVPAR 60
 OY 61 FSGSGGTSYSLTISRVEAEDATYCCQWSSNPPTFGGGMLEIR 106
 DB 61 FSGSGGTSYSLTISRVEAEDATYCCQWSSNPPTFGGGMLEIR 106
 RESULT 3
 ID AAM24520 standard; Protein; 107 AA.
 XX
 AC AAM24520;
 XX
 DT 26-DEC-1997 (first entry)
 XX
 DE Mouse anti-human Factor IX antibody BC2 light chain variable region.
 XX
 KW Thrombosis; therapy; Factor IX; anticoagulant; monoclonal antibody;
 KW humanised antibody; antibody engineering; light chain; CDR;
 KW complementarity determining region; myocardial infarction;
 KW angina; atrial fibrillation; stroke; kidney damage;
 KW pulmonary embolism; deep vein thrombosis; coronary angioplasty;
 KW disseminated intravascular coagulation; artificial organ; sepsis;
 KW shunt; prosthesis.
 XX
 OS Mus musculus.
 XX
 FH Key Location/Qualifiers
 FT Region 24..33
 FT /label=CDR1
 FT /note="(Claim 23)"
 FT Region 49..55
 FT /label=CDR2
 FT /note="(Claim 23)"
 FT Region 88..96
 FT /label=CDR3
 FT /note="(Claim 23)"
 XX
 PM WO9726010-A1.
 XX
 PD 24-JUL-1997.
 XX
 PF 17-JAN-1997; 97WO-US00759.
 XX
 PR 24-OCT-1996; 96US-0029119.
 PR 17-JAN-1996; 96US-0010108.
 XX
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 XX
 PI (UYVE-) UNIV VERMONT & STATE AGRIC COLLEGE.
 XX
 DR Blackburn MN, Church WR, Feuerstein GZ, Gross MS;
 PI Nichols AJ, Padlan EA, Patel AH, Sylvester DR;
 WPI: 1997-385117/35.